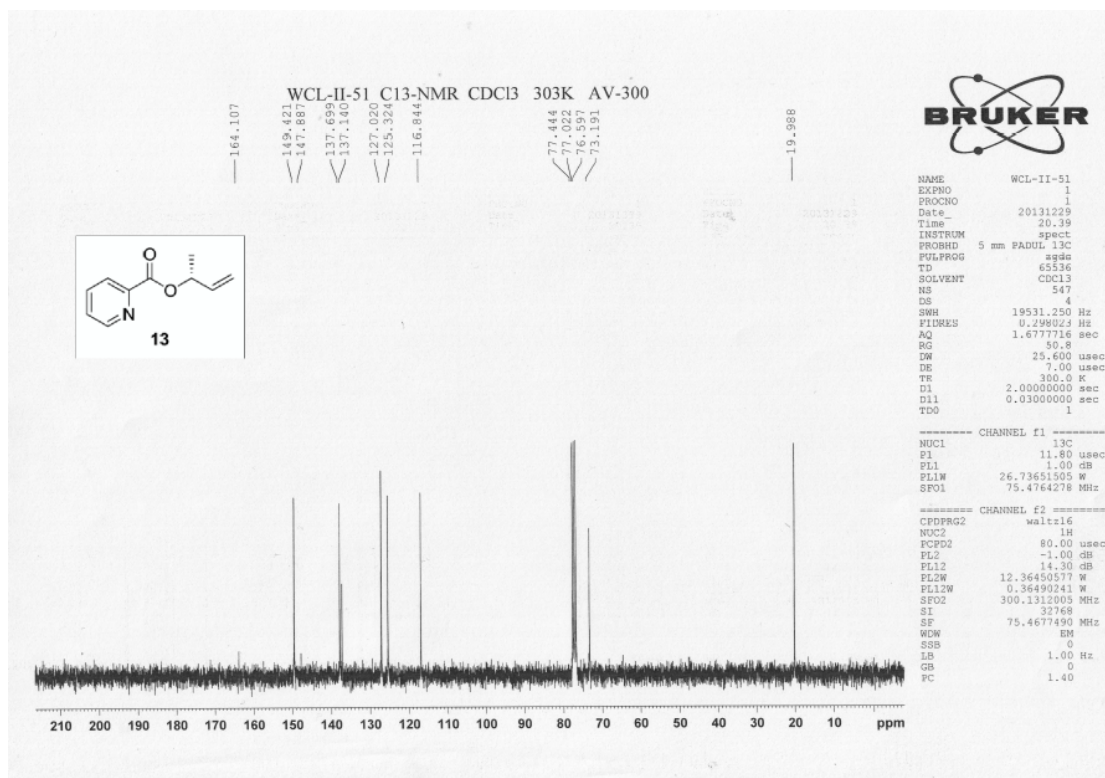
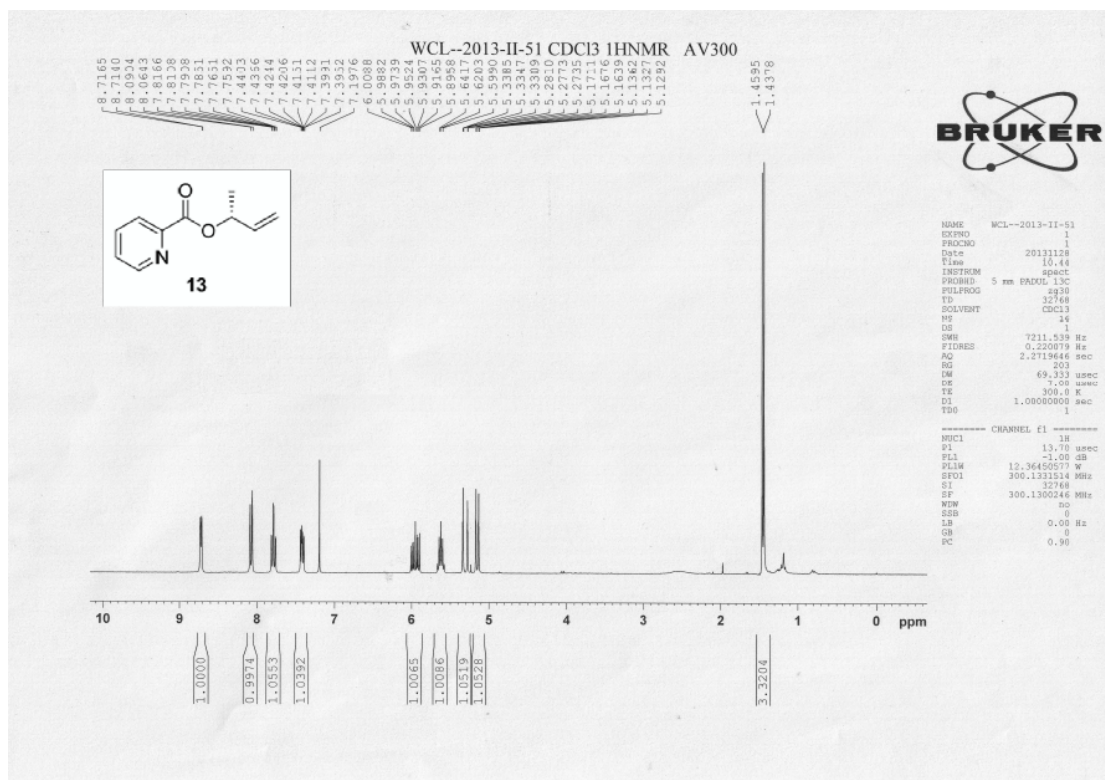
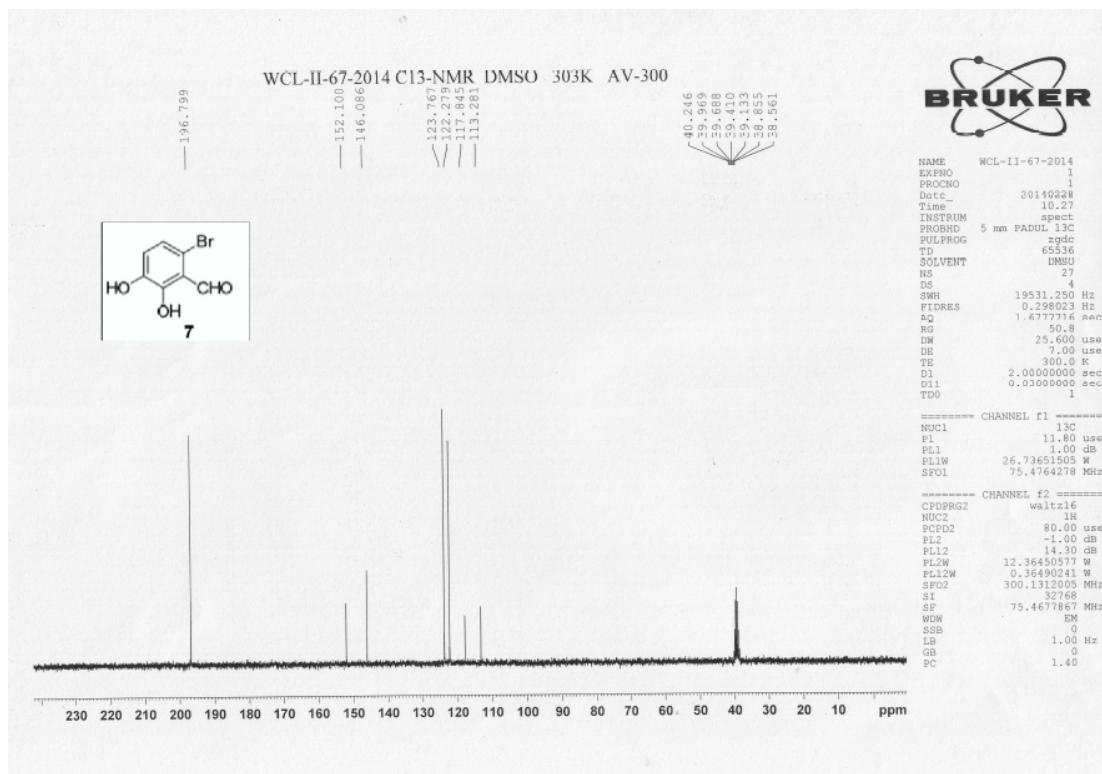
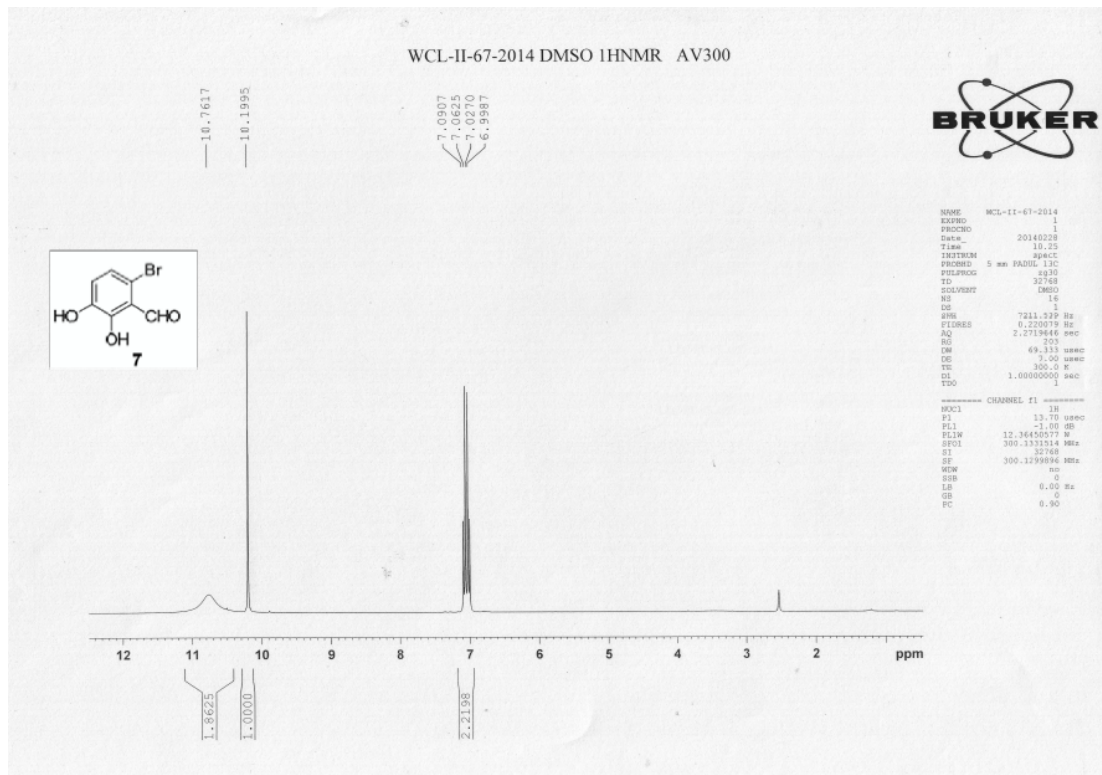


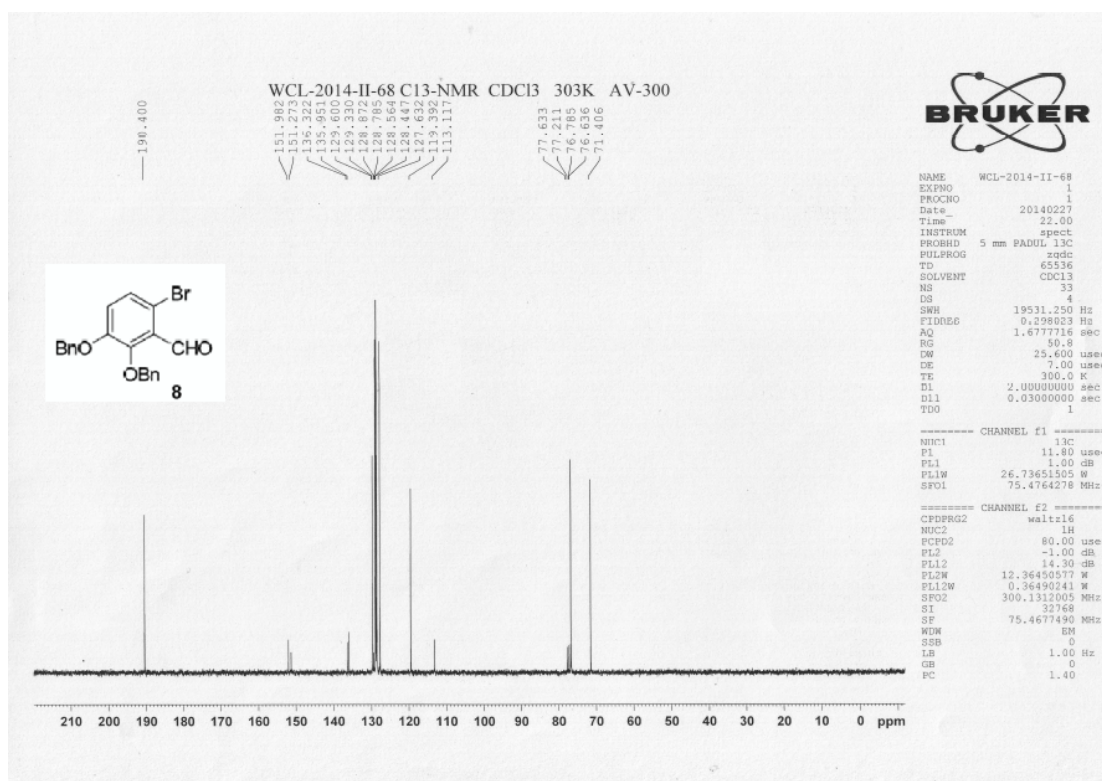
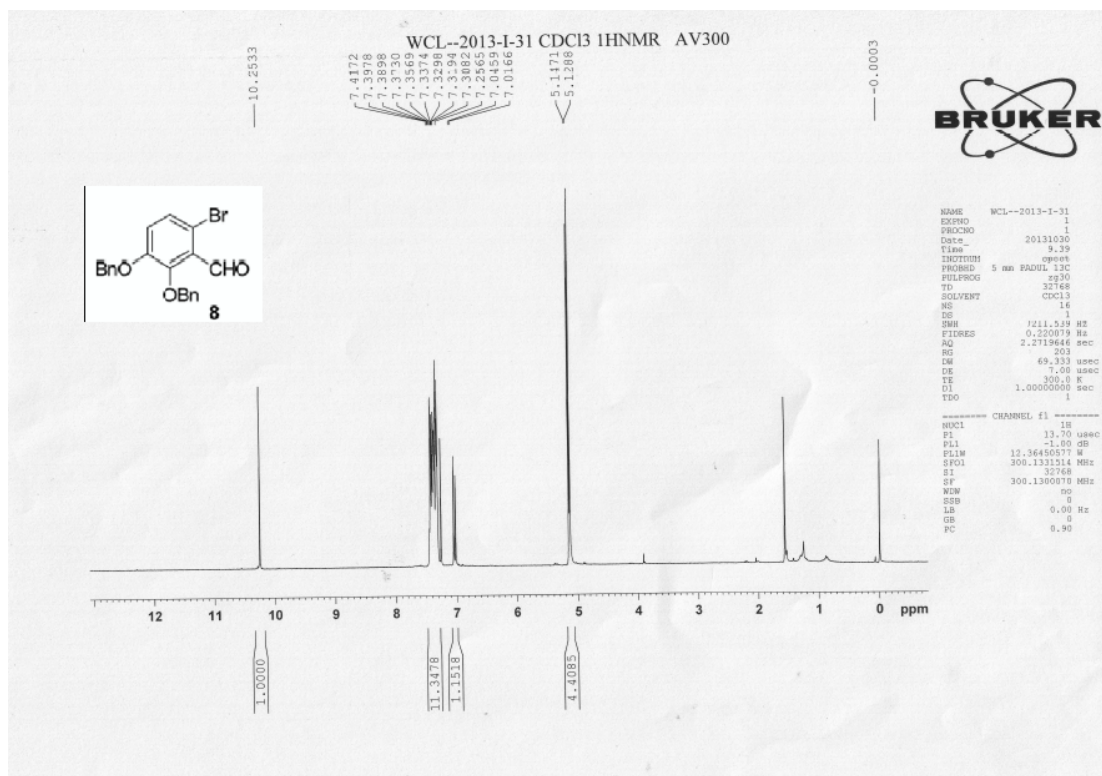
Electronic Supporting Information (ESI) for:

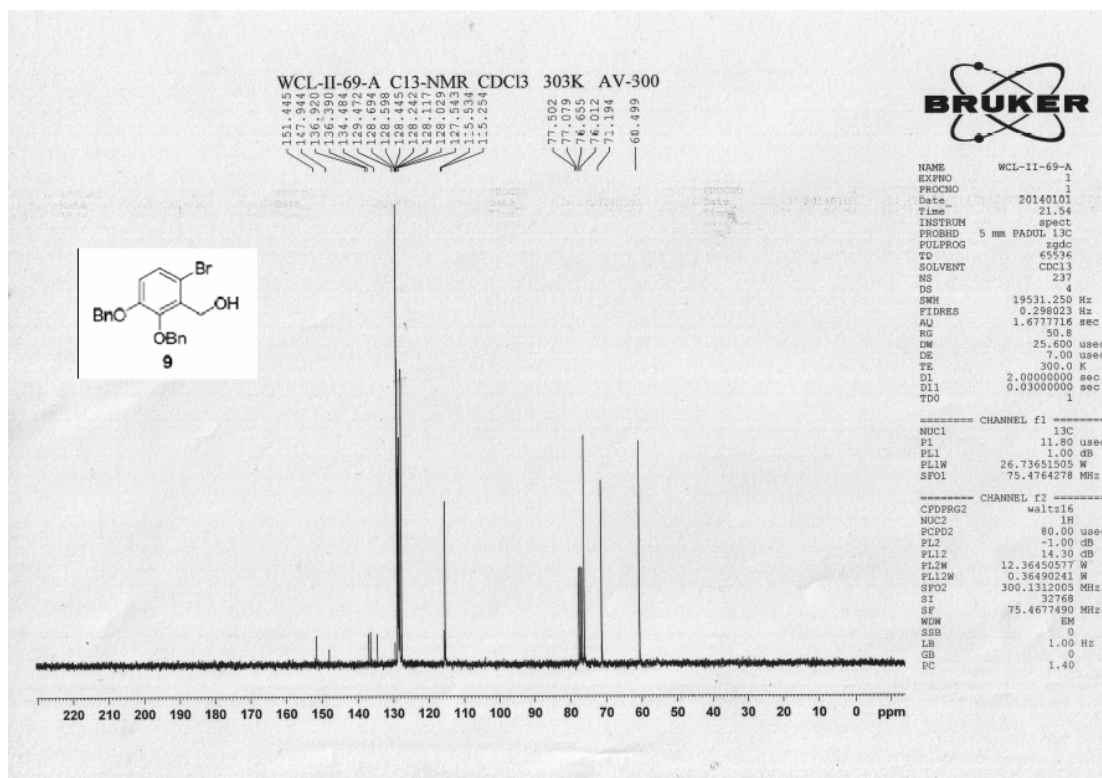
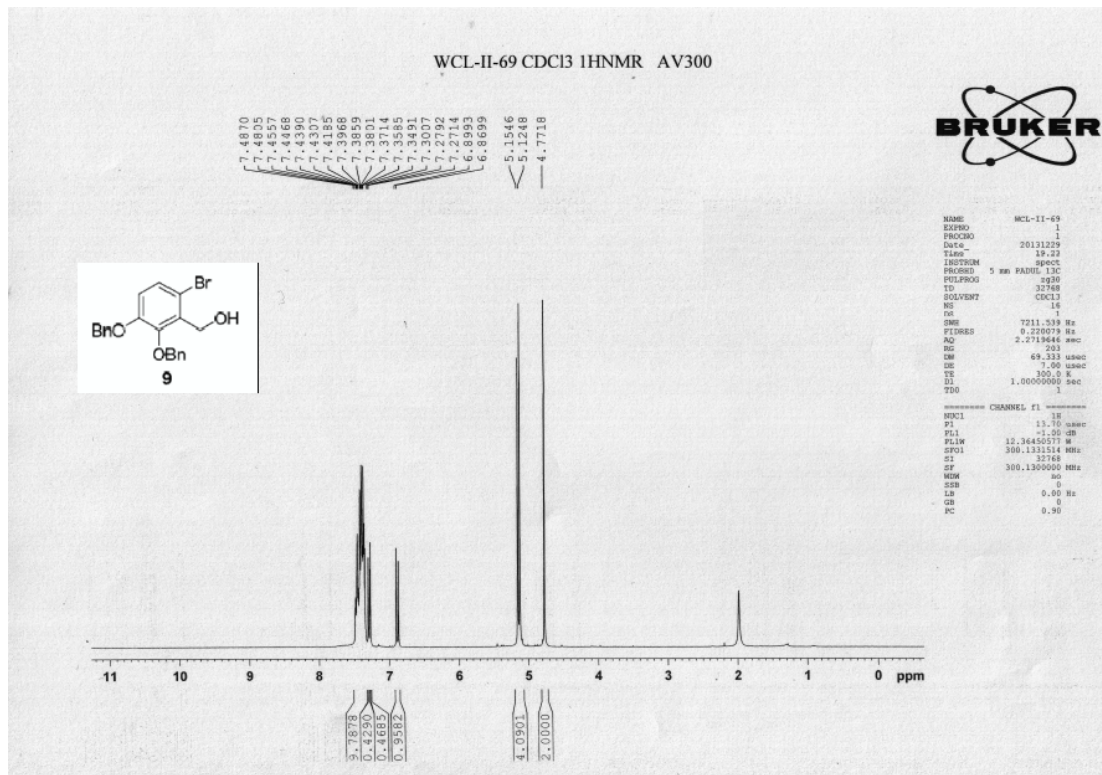
First total synthesis of antihypertensive natural products S-(+)-XJP and R-(-)-XJP

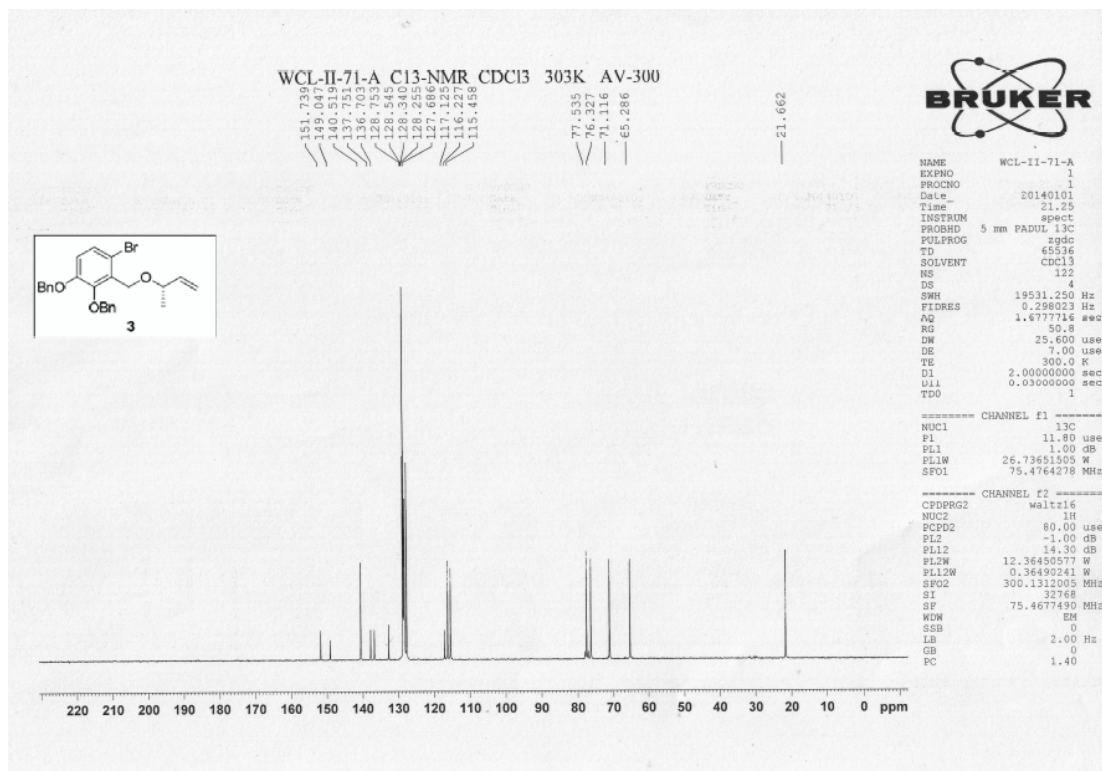
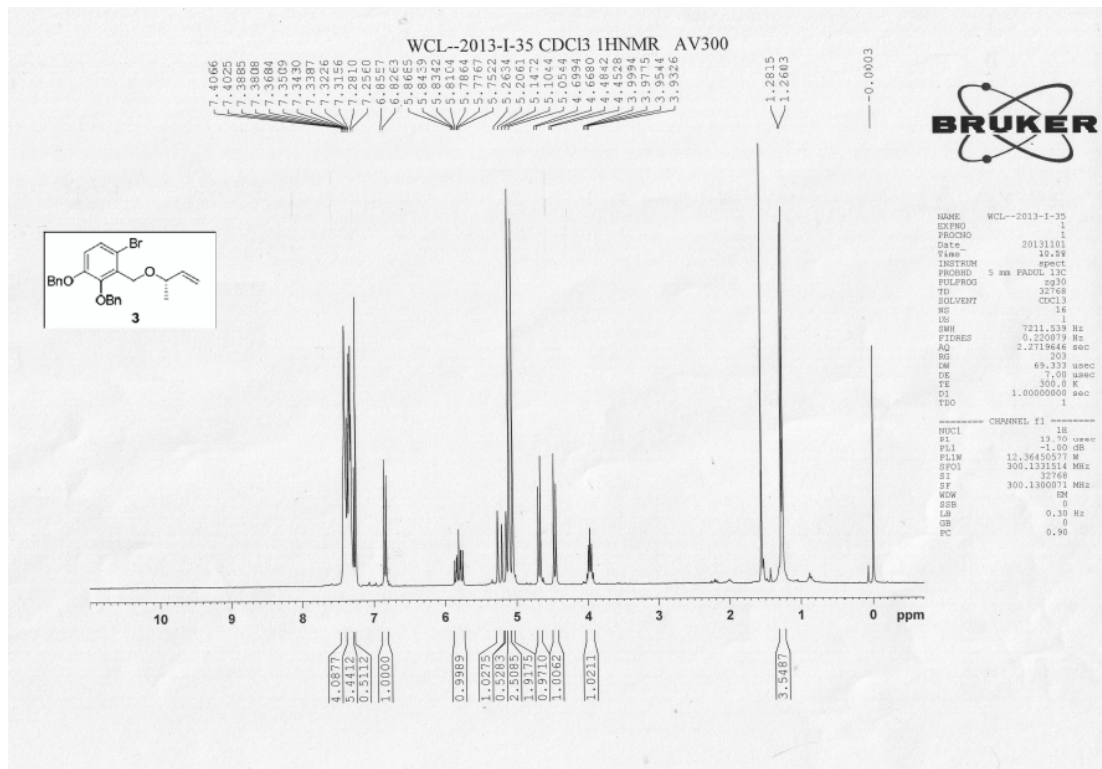
Contents	Page
¹ H-NMR and ¹³ C-NMR Spectra	S2-S10
HPLC for compound 13 and 1	S11-S13
¹ H-NMR and ¹³ C-NMR Spectra for compound 1 compared with natural product	S14

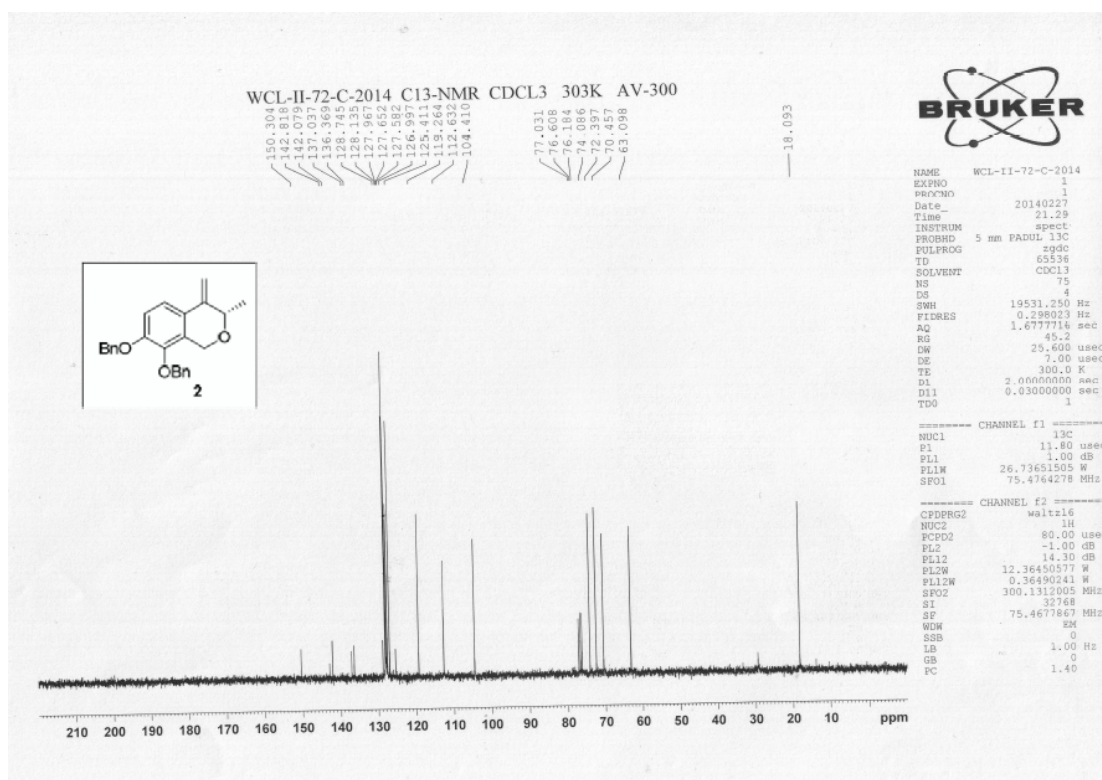
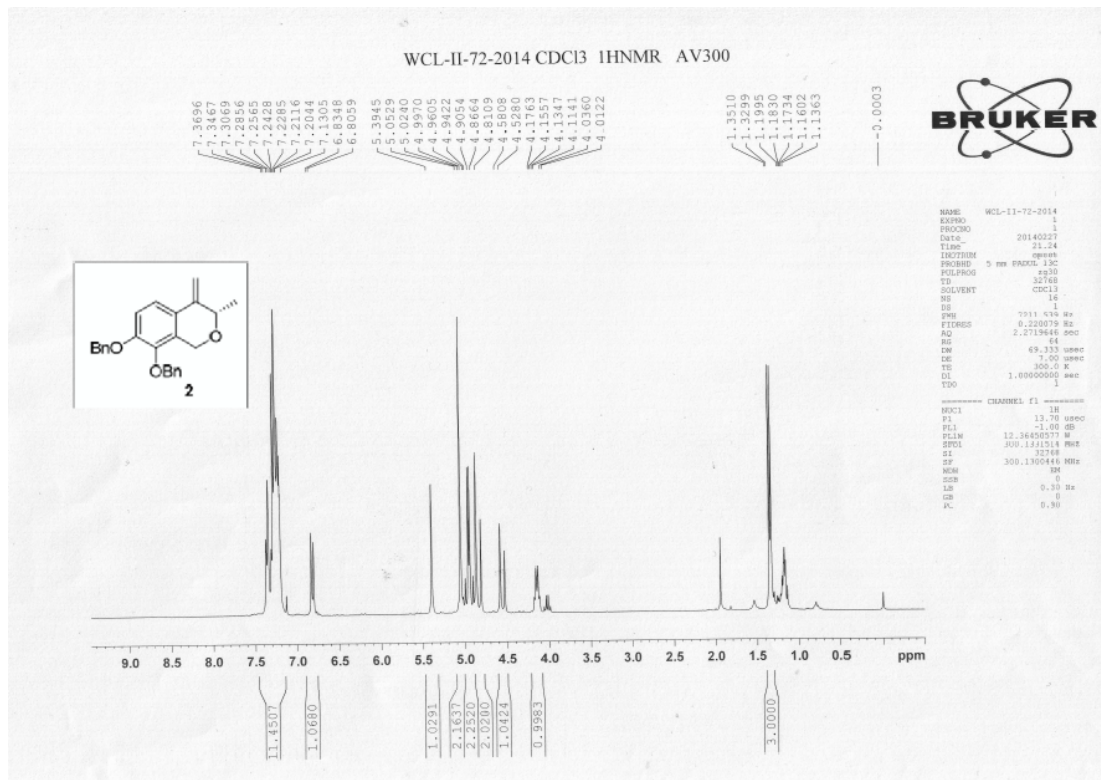


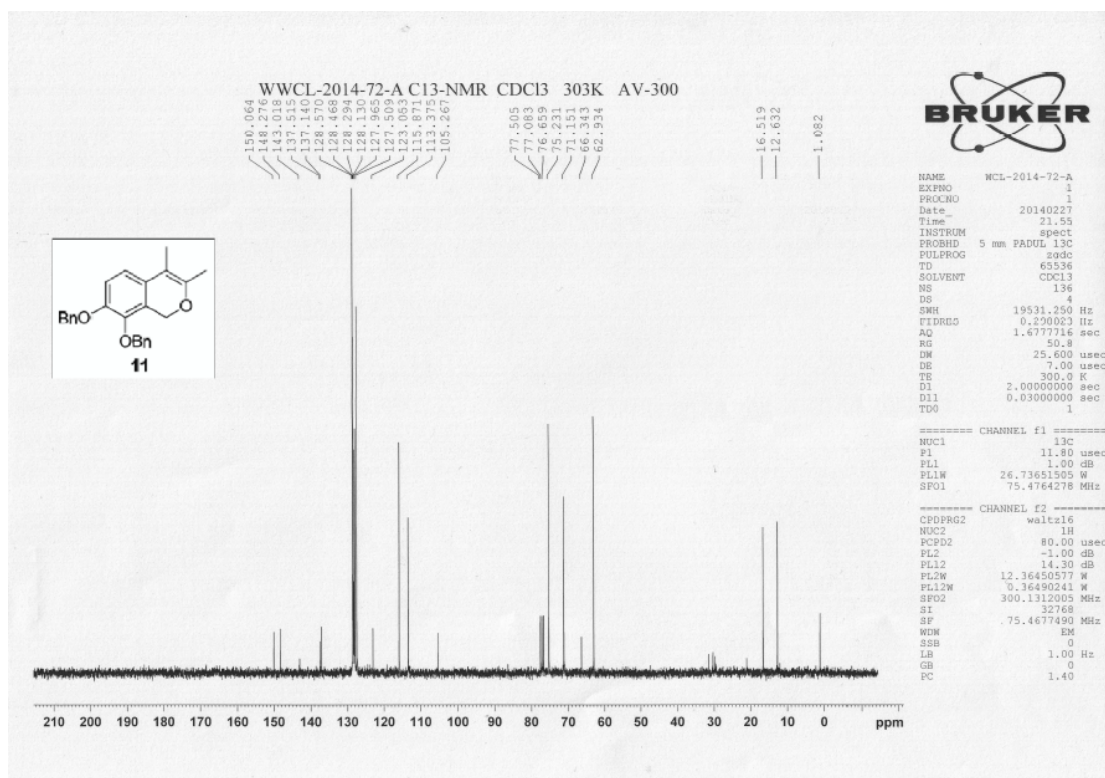
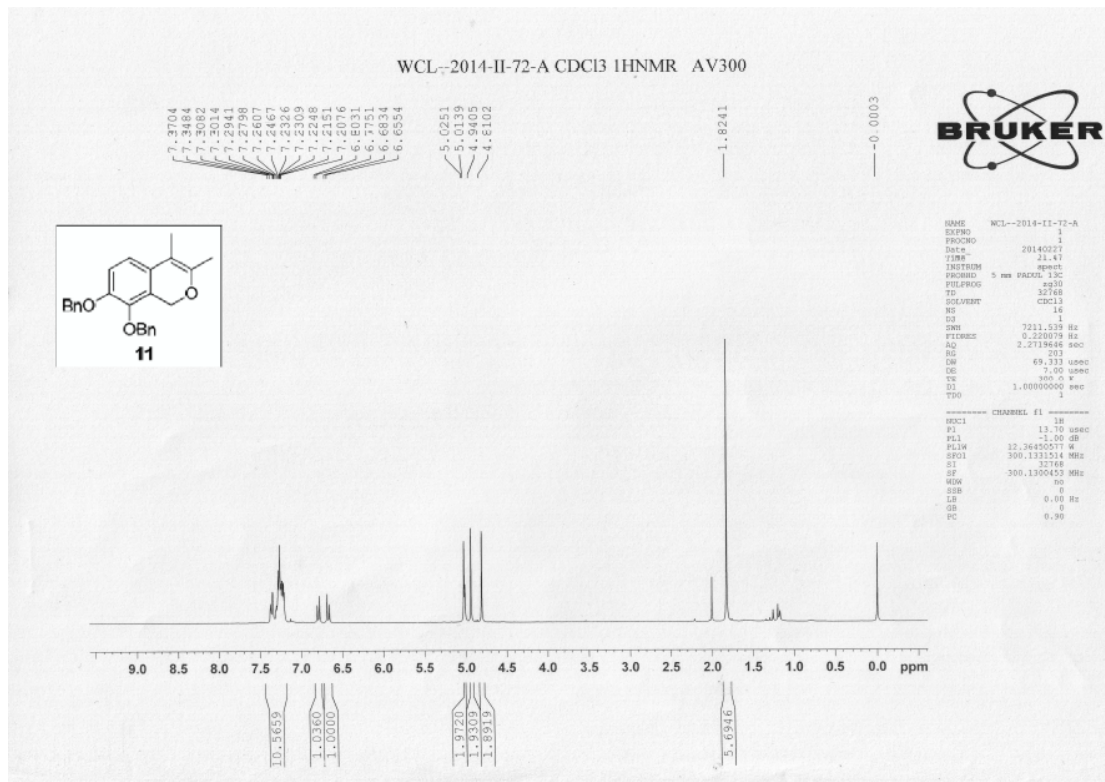


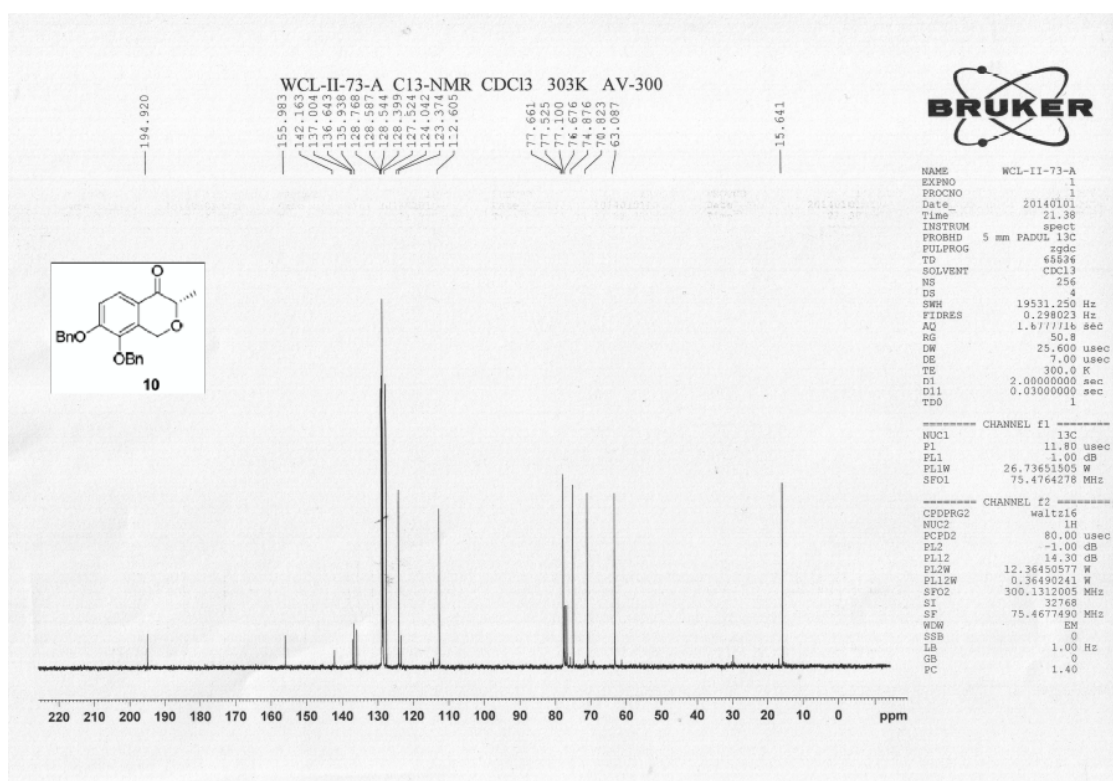
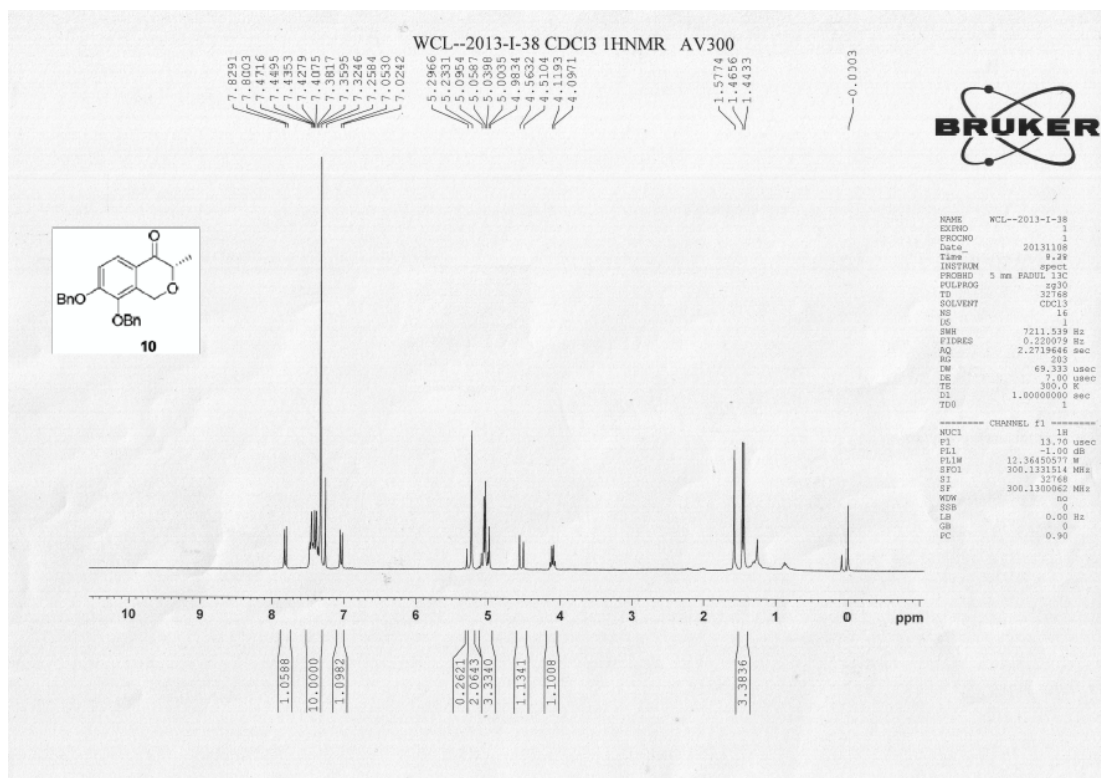


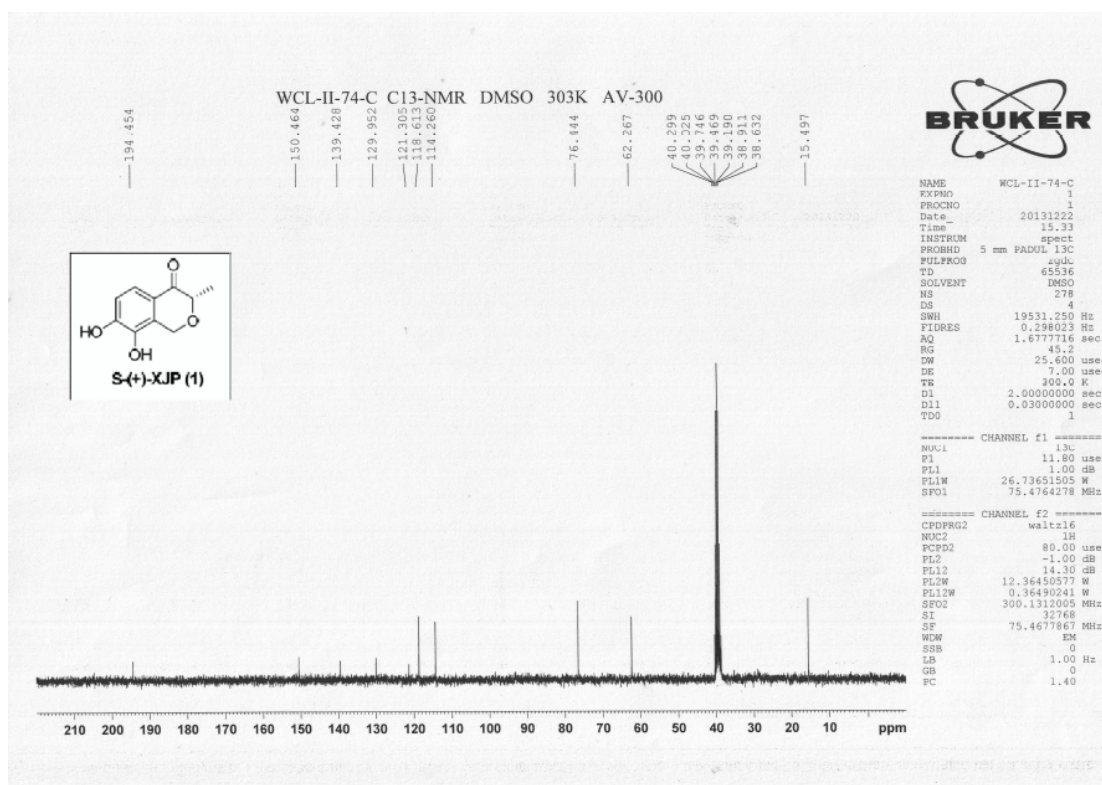
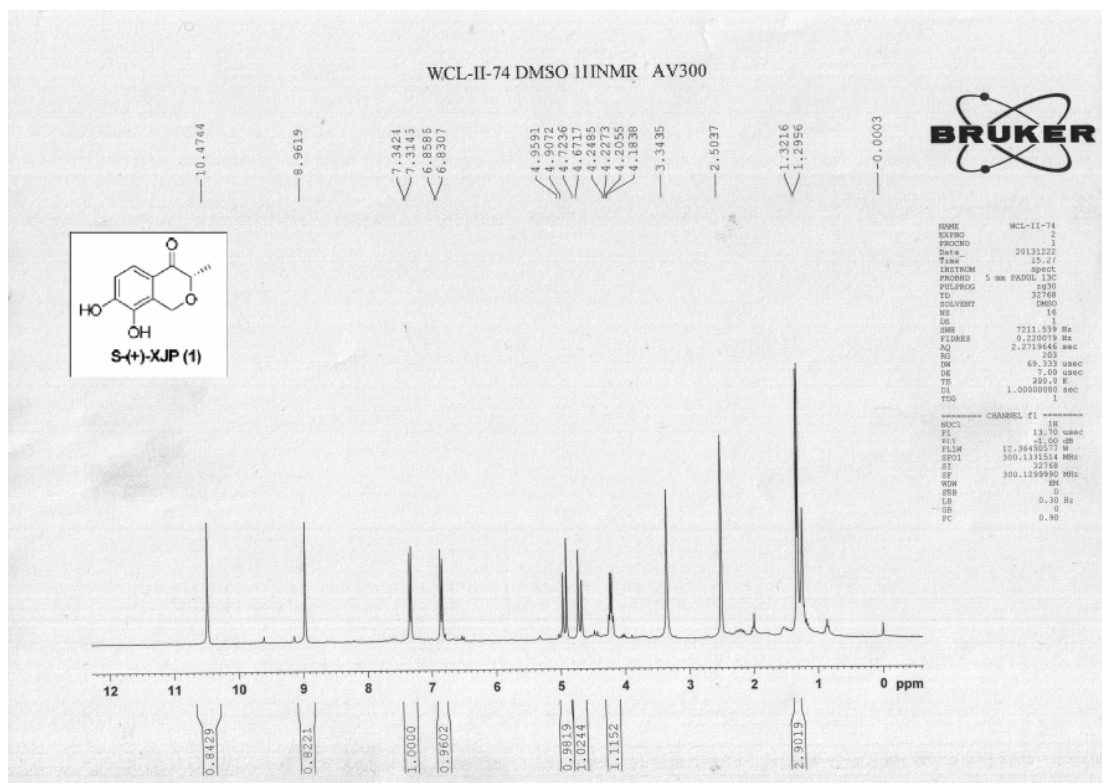


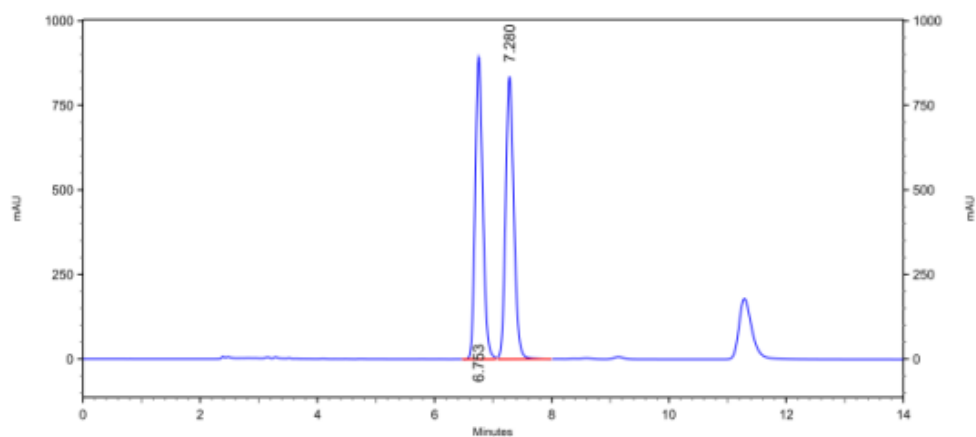
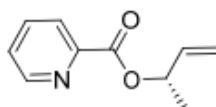








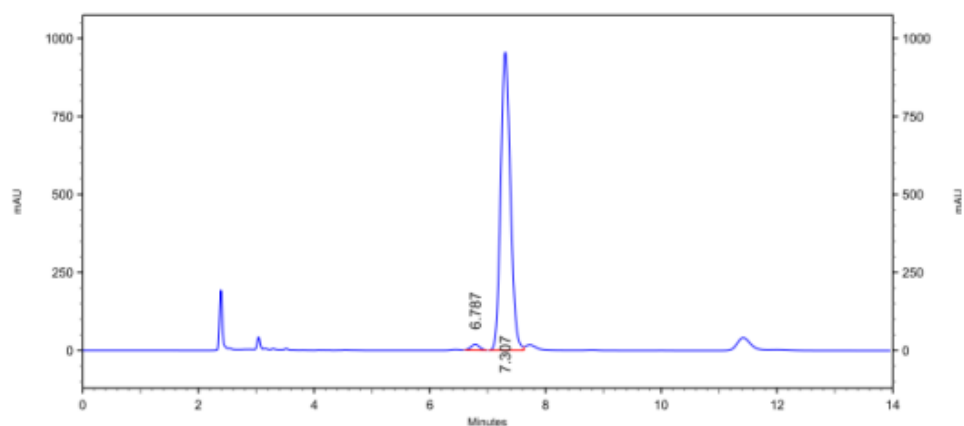




DAD:
Signal
A, 218
nm/Bw:4
nm
Results

Pk #	RT	RRT	Height	Area	R	Asy	Peak purity	Area %
1	6.75	0.93	1871346	16940931	0.00	1.17	1.000	49.76
2	7.28	1.00	1747313	17102337	2.13	1.14	1.000	50.24

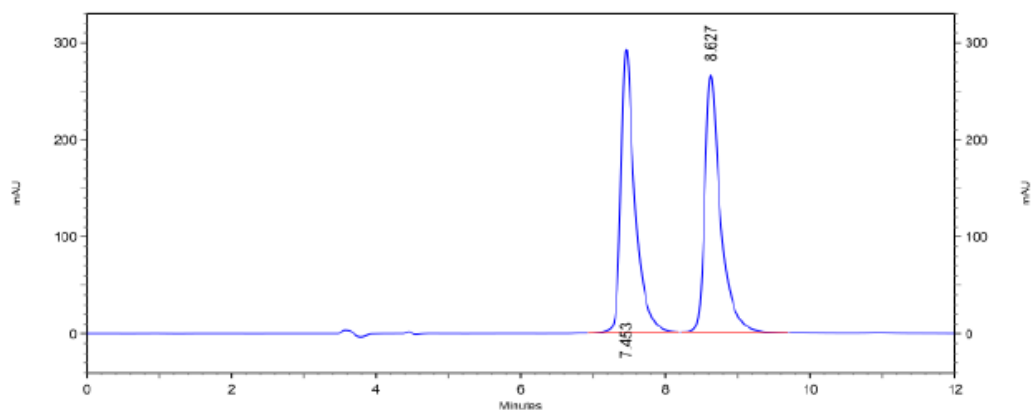
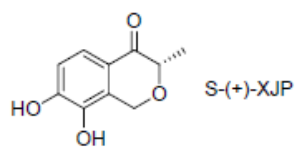
Totals			3618659	34043268				100.00
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DAD:
Signal
A, 218
nm/Bw:4
nm
Results

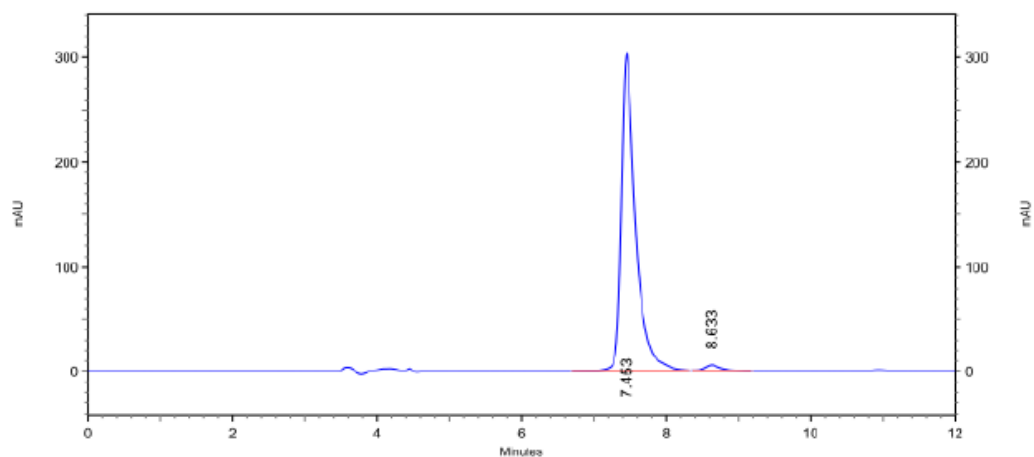
Pk #	RT	RRT	Height	Area	R	Asy	Peak purity	Area %
1	6.79	0.93	38562	405580	0.00	1.02	1.000	1.70
2	7.31	1.00	2002021	23401313	1.74	1.11	1.000	98.30

Totals			2040583	23806893				100.00
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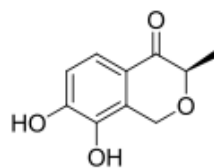
DAD:
Signal
B, 236
nm/Bw:4
nm
Results

Pk #	RT	RRT	Height	Area	R	Asy	Peak purity	Area %
1	7.45	0.00	612326	8270481	0.00	1.66	1.000	49.85
2	8.63	0.00	554714	8321657	3.35	1.62	1.000	50.15
Totals			1167040	16592138				100.00

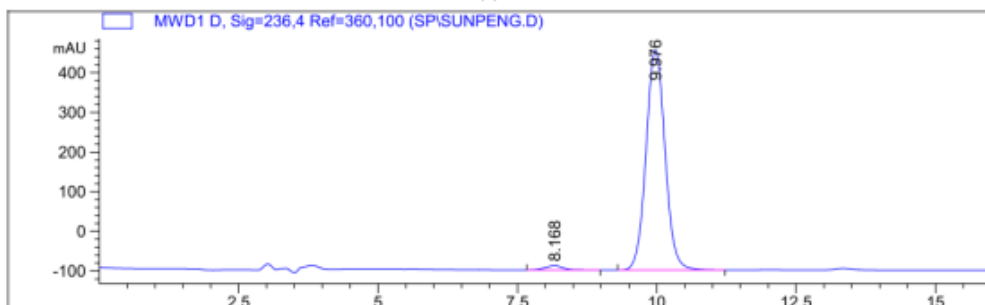


DAD:
Signal
B, 236
nm/Bw:4
nm
Results

Pk #	RT	RRT	Height	Area	R	Asy	Peak purity	Area %
1	7.45	1.00	633524	8659764	0.00	1.67	1.000	98.23
2	8.63	1.16	10713	155812	3.39	1.40	0.942	1.77
Totals			644237	8815576				100.00



R-(-)-XJP



Area Percent Report

Sorted By : Signal
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs
Signal 2: MWD1 D, Sig=236,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.168	BB	0.3505	237.54225	10.55847	1.7730
2	9.976	BB	0.3708	1.31604e4	554.69830	98.2270

Totals : 1.33980e4 565.25678

¹H-NMR and ¹³C-NMR Spectra for XJP compared with natural product

position	¹ H-NMR (δ H and J in Hz)		¹³ C-NMR (δ C)	
	natural XJP	synthetic XJP	natural XJP	synthetic XJP
1	4.68 (d, 1H, 15.5) 4.92 (d, 1H, 15.9)	4.69 (d, 1H, 15.6) 4.92 (d, 1H, 15.6)	62.67	62.3
3	4.19 (q, 1H, 6.7)	4.21 (q, 1H, 6.6)	76.86	76.4
4			194.85	194.5
5	7.31 (d, 1H, 8.7)	7.32 (d, 1H, 8.4)	119.04	118.6
6	6.82 (d, 1H, 8.4)	6.84 (d, 1H, 8.4)	111.69	114.3
7			150.89	150.5
8			139.84	139.4
9			121.73	121.3
10			130.38	130.0
11	1.26 (d, 1H, 6.7)	1.31 (d, 1H, 6.6)	15.89	15.5